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IN THE CLAIMS:

Please find below a listing of all of the pending claims. The statuses of the claims are set forth in parentheses.

1. (Original) A method for resource allocation management for an interactive session on a grid computing system, comprising:

receiving a user request for an interactive session;

identifying any application programs needed to be launched in said interactive session;

determining resource requirements for said interactive session including processor, network bandwidth, executables and files requirements;

generating a contract for the interactive session specifying resource allocations and authorizations; and

allocating resources for the interactive session in accordance with the contract.

2. (Currently Amended) The method of claim 1, wherein:

the step of identifying applications application programs to be launched in the interactive session includes consulting a user directory to identify applications application programs which the user is authorized to use.

3. (Currently Amended) The method of claim 1, wherein:

the step of determining resource requirements includes consulting one or more application profile files which provide information concerning the resource requirements for individual applications.

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4. (Currently Amended) The method of claim 1, wherein:

the step of determining resource requirements includes identifying a user class to which ~~the~~ a user belongs and consulting one or more user class authorization policy files to determine resource allocation policies for the user's user class.

5. (Original) The method of claim 1, wherein:

the step of generating said contract includes generating an authorization policy and a service level agreement.

6. (Currently Amended) The method of claim 1, further comprising:

monitoring the interactive session to ensure compliance with ~~the~~ terms of the contract.

7. (Original) The method of claim 1, wherein:

the step of allocating resources for the interactive session is performed by a grid scheduler which receives the user request and the contract.

8. (Currently Amended) A system for managing resource allocation for an interactive session on a grid computing system, the system comprising:

one or more processors;

one or more memories coupled to the one or more processors; and

the program instructions stored in the one or more memories, the one or more processors for executing program instructions including:

receiving a user request for the interactive session;

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identifying applications to be launched in the interactive session;

determining resource requirements for the interactive session including processor,
network bandwidth, executables and files requirements;

generating a contract for the interactive session specifying resource allocations and
authorizations; and

allocating resources for the interactive session in accordance with the contract.

9. (Original) The system of claim 8, further comprising:

a user directory which includes for each user a list of applications which the user is
authorized to use.

10. (Original) The system of claim 8, further comprising:

an application profiles repository for providing information concerning resource
requirements for individual applications.

11. (Original) The system of claim 8, further comprising:

a user class authorization policy repository for providing resource allocation policies
for different user classes.

12. (Original) The system of claim 8, further comprising:

a grid scheduler which receives the user request and the contract and performs the
step of allocating resources for the interactive session.

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13-14. (Canceled).

15. (Original) A system for managing resource allocation for an interactive session on a grid computing system, comprising:

a distributed resource management node, the distributed resource management node including a distributed resource management interface and a grid scheduler, the grid scheduler configured to receive a user request and output an admission control decision;

a contract generation engine coupled to the distributed resource management node, the contract generation engine configured to determine resource requirements for the interactive session, and generate a contract specifying resource allocations and authorizations; and a contract repository configured to store the contract.

16. (Original) The system of claim 15, further comprising:

a user directory which includes for each user a list of applications which the user is authorized to use.

17. (Currently Amended) The system of claim 15, further comprising:

an application profiles repository, for providing the resource requirements information for individual applications.

18. (Original) The system of claim 15,, further comprising:

a user class authorization policy repository for providing resource allocation policies for different user classes.

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19. (New) The system of claim 8, wherein the contract includes a service level agreement.

20. (New) The system of claim 15, wherein the contract includes a service level agreement.